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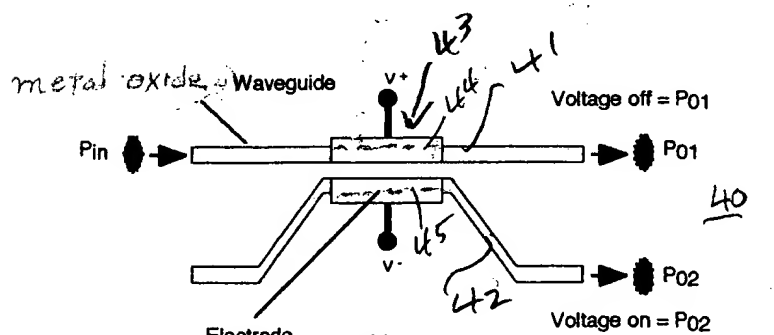
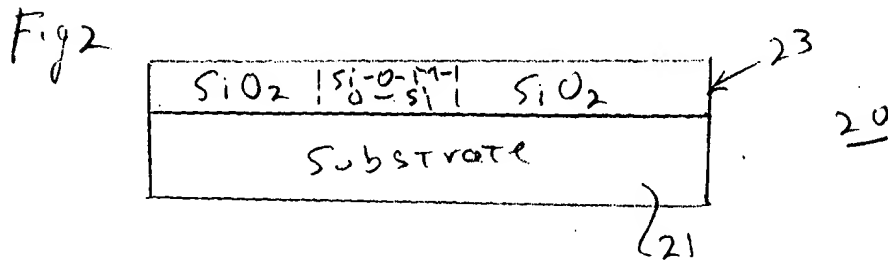
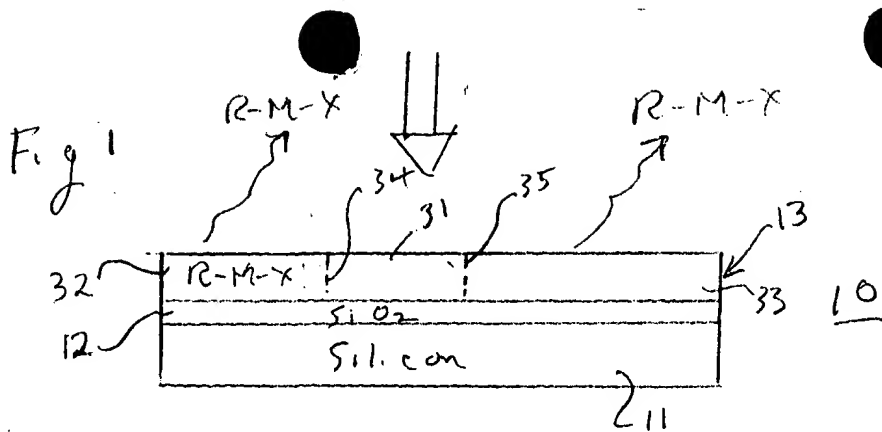


Fig 3
Electro-Optic

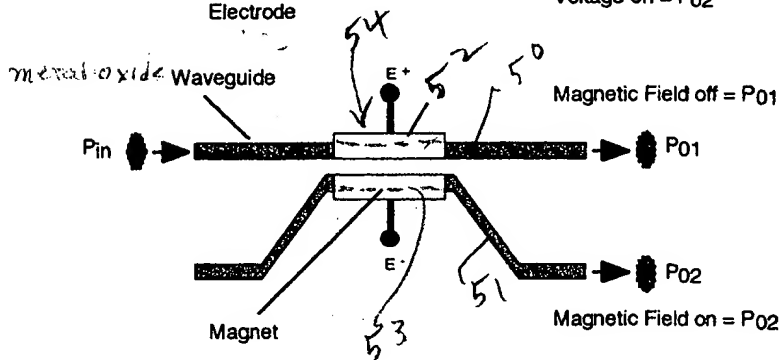


Fig 4
Magneto-Optic

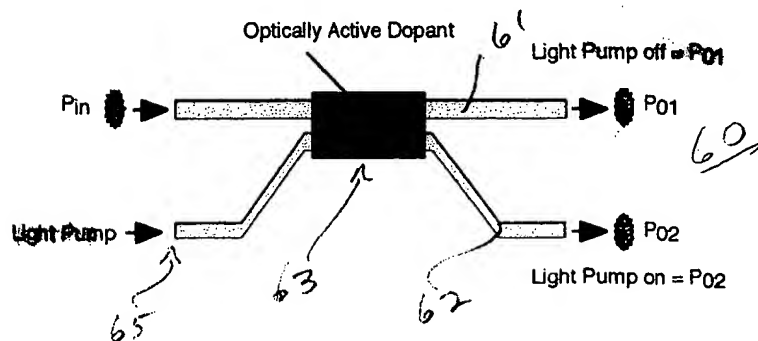
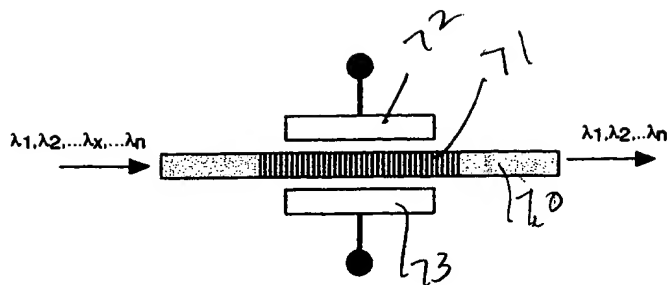


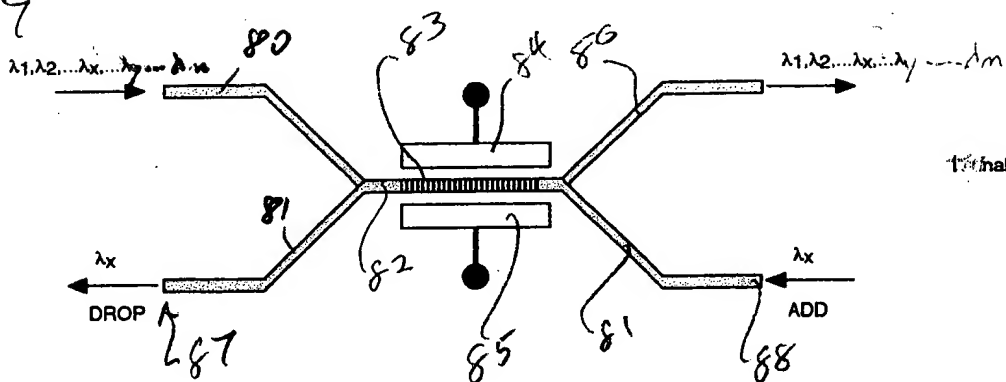
Fig 5
All-Optical

Fig 6



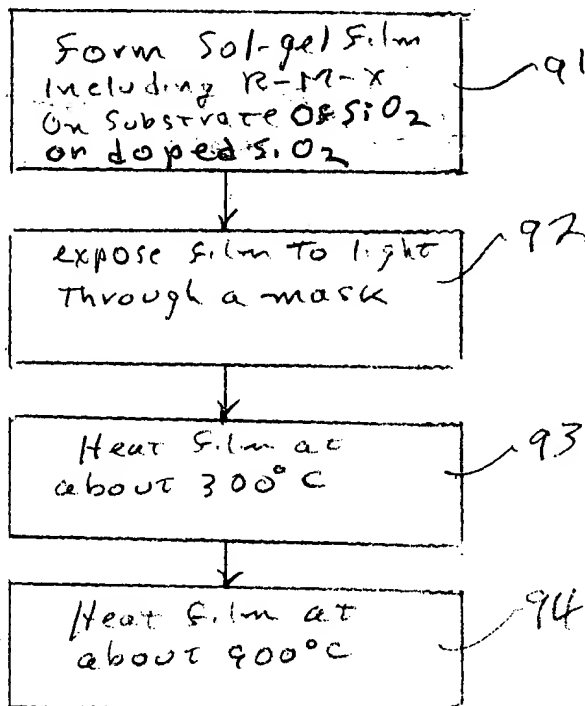
Tunable Bragg Grating Filter

Fig 7



Tunable Add/Drop Filter

Fig 8



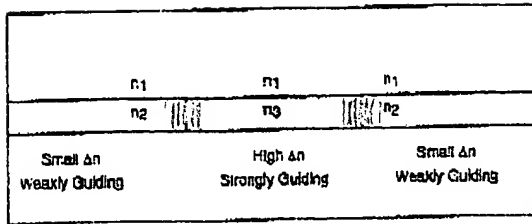


Fig 9

Waveguide structure with altered refractive index profile

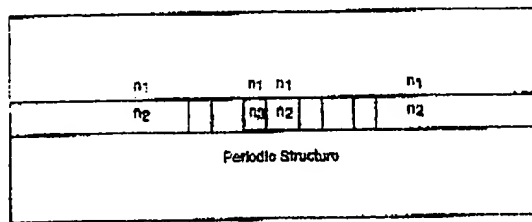


Fig 10

Waveguide structure with altered periodic refractive index profile

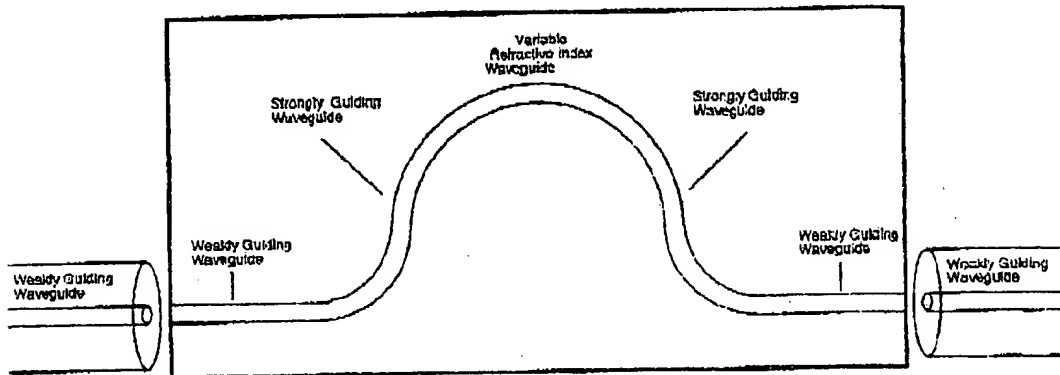


Fig 11

Waveguide structure with tight curvatures using variable refractive index profiles

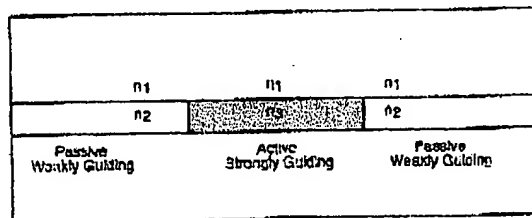


Fig 12

Active waveguide structure with variable refractive index profiles

Fig 13

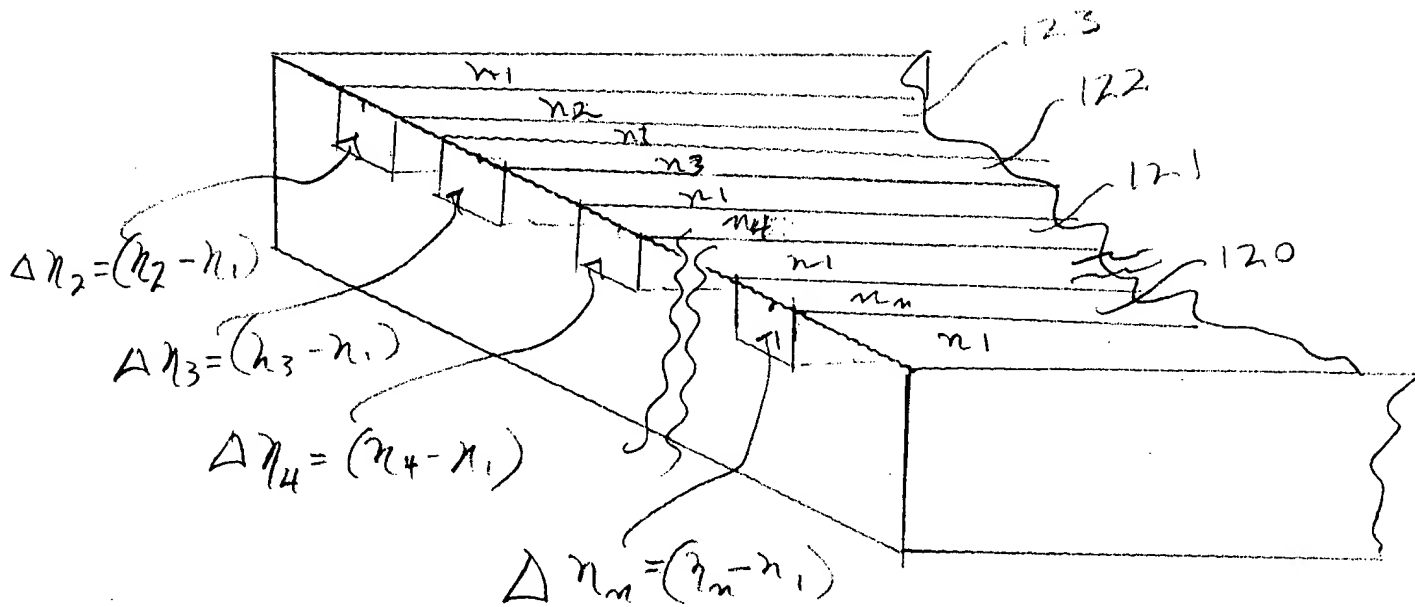


Fig 14

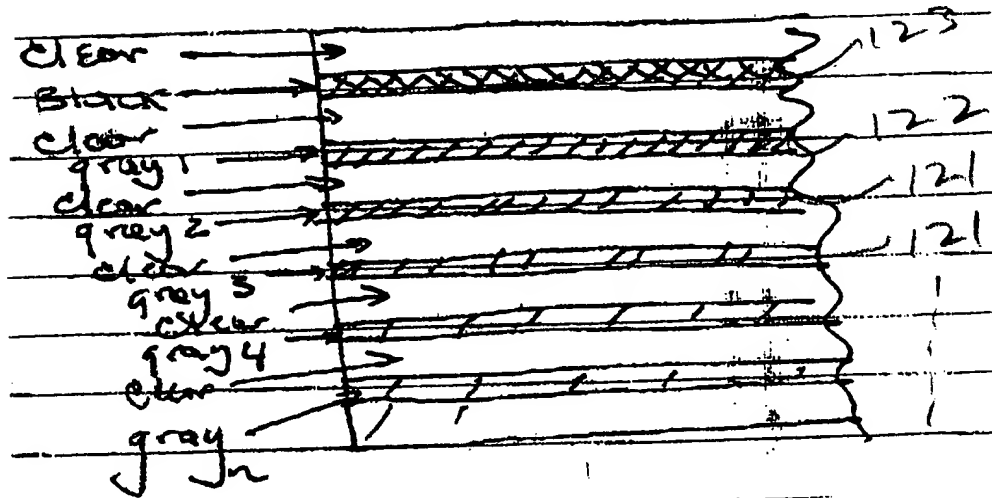


Fig 16

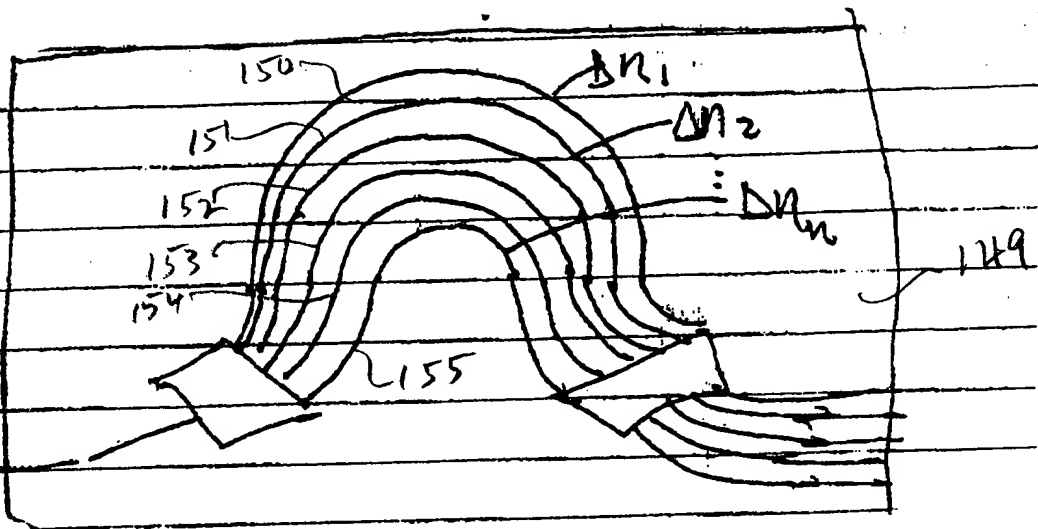


Fig 15

Waveguide
propagation
loss
(dB)

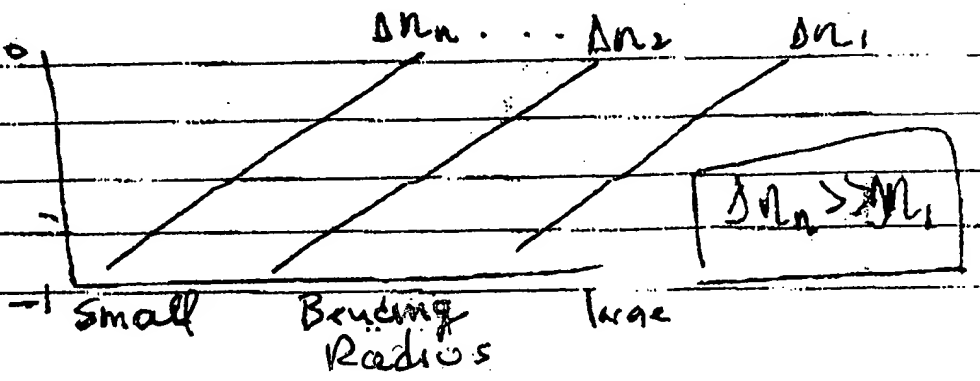


Fig 18

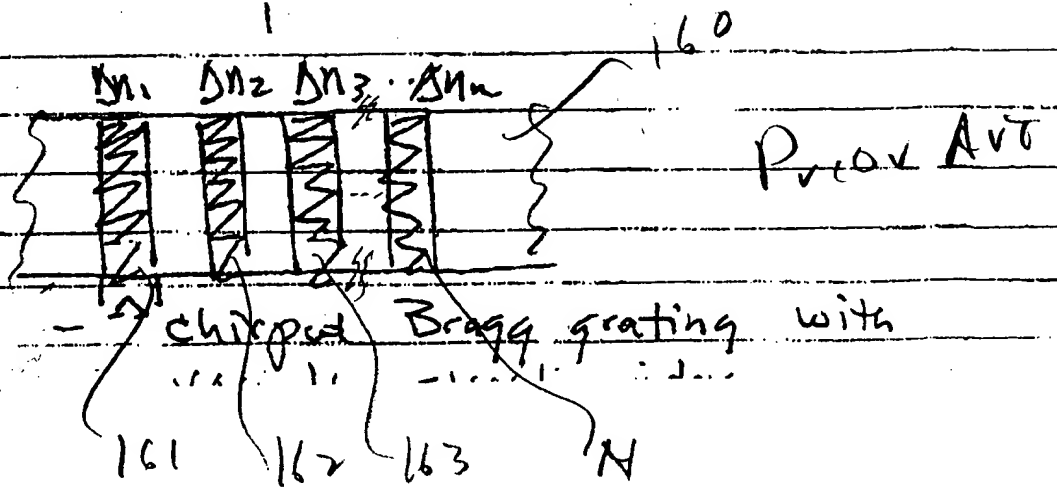
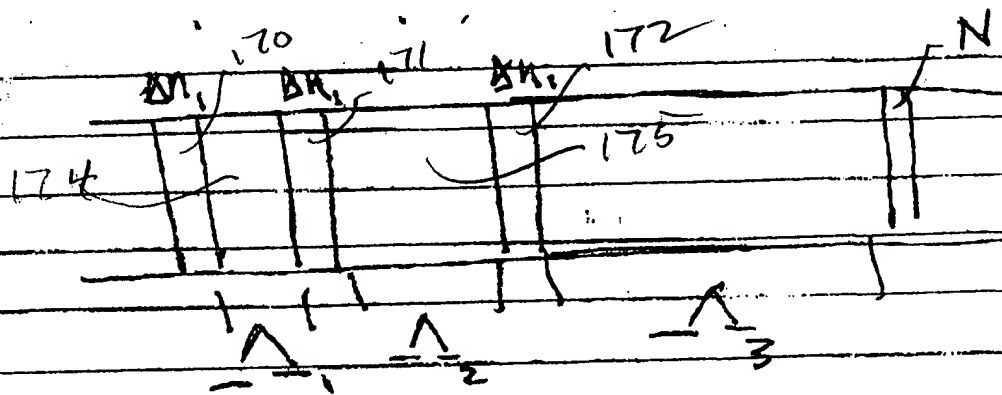


Fig 17



005750-01872560

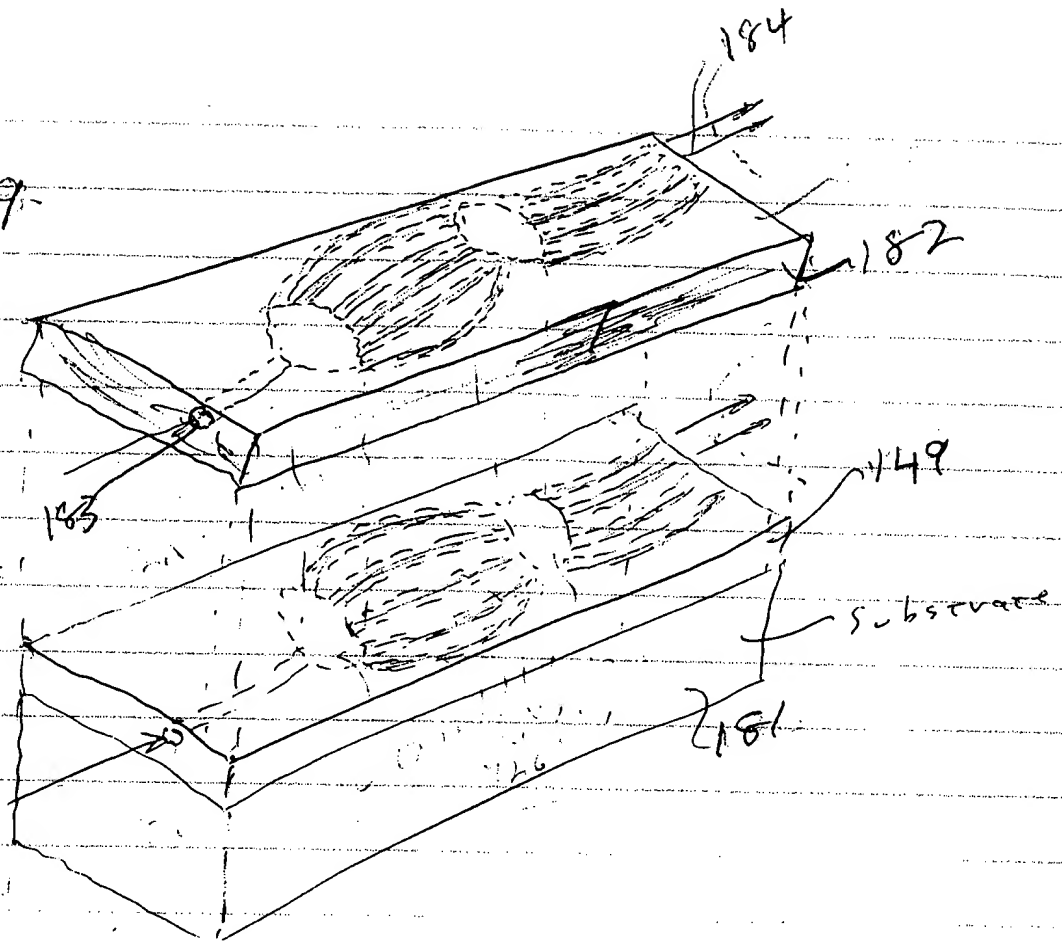
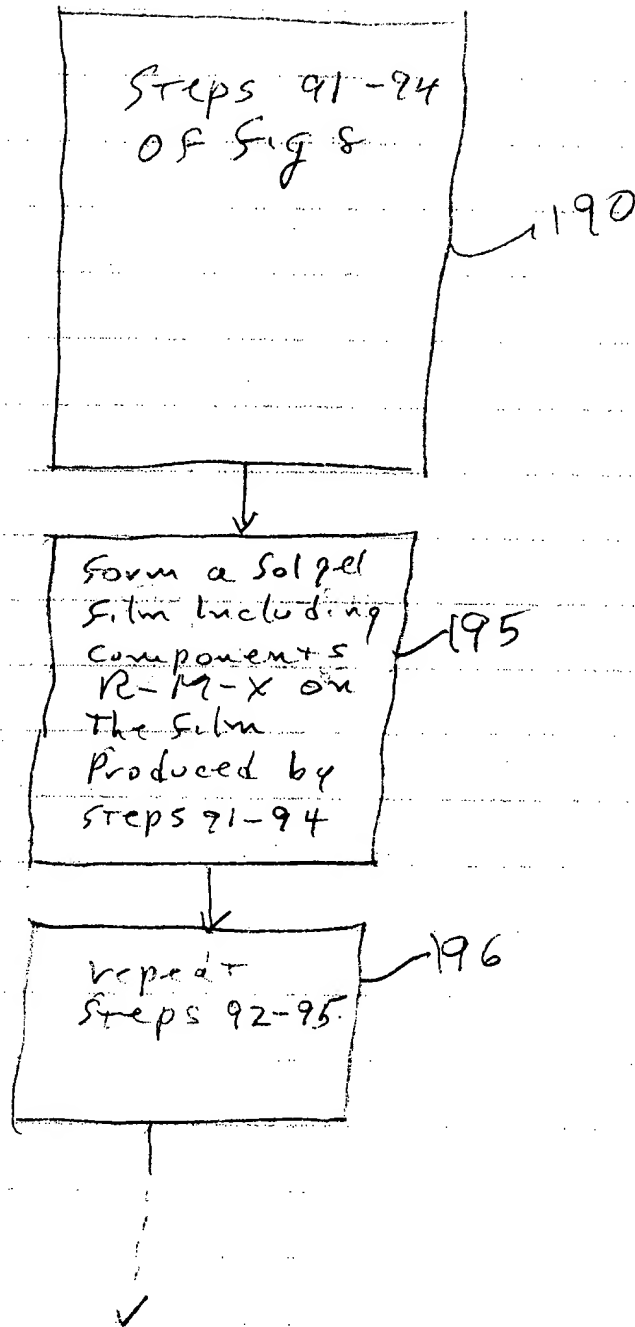
[illegible]

Fig 20



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